Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/21/2020 09:27 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125570	0	2.95	125707	2.91
Blue	F	SSC	125000	124493	-1	1.64	125181	1.65
Blue	E	FITC	15892	15530	-3	3.05	339	21.62
Blue	D	PE	29999	29419	-2	2.22	638	16.11
Blue	B	PerCP-Cy5-5	43732	43524	-1	3.92	1161	21.49
Blue	A	PE-Cy7	30845	30910	0	6.65	584	43.80
Red	C	APC	46112	44962	-3	2.48	1588	12.39
Red	A	APC-Cy7	30458	29861	-2	2.41	790	12.45
Violet	B	V450	7918	7603	-4	4.58	435	13.73
Violet	A	V500	32171	30593	-5	4.46	717	11.12

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16750	16.85	655	34	N/A	N/A	Pass
Blue	F	SSC	57214	1.32	585	26	N/A	N/A	Pass
Blue	E	FITC	62	67.39	554	11	0.0168	129	Pass
Blue	D	PE	134	53.06	560	12	0.1297	242	Pass
Blue	B	PerCP-Cy5-5	216	52.33	668	12	0.0082	59	Pass
Blue	A	PE-Cy7	107	111.20	714	16	0.0097	22	Pass
Red	C	APC	379	25.95	591	7	0.0233	155	Pass
Red	A	APC-Cy7	174	29.25	563	7	0.0050	686	Pass
Violet	B	V450	66	62.55	463	5	0.0454	2091	Pass
Violet	A	V500	107	37.06	478	4	0.0211	1070	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.83	-32.13	1.03
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.42
Red	15.65	13.60 - 20.40	N/A	N/A	29.33	29.88	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9875

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments